

## Product datasheet for RN204376

### Mtor (NM\_019906) Rat Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Mtor (NM_019906) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mtor
Synonyms:	Frap1; RAFT1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN204376 representing NM_019906 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTTGGGACAGGCCCTGCCACGGCCACCGCCGGTGCCGCCACATCTAGCAACGTGAGCGTTCTGCAGC  
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**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

- Restriction Sites:** SgfI-MluI
- ACCN:** NM\_019906
- Insert Size:** 7650 bp
- OTI Disclaimer:** Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
- Components:** The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

**Reconstitution Method:**

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

**RefSeq:** [NM\\_019906.1](#), [NP\\_063971.1](#)

**RefSeq Size:** 8554 bp

**RefSeq ORF:** 7650 bp

**Locus ID:** 56718

**UniProt ID:** [P42346](#)

**Cytogenetics:** 5q36

**Gene Summary:** binds the complex formed by the immunosuppressive drug rapamycin and its receptor FKBP12; may play a role in the cell cycle G1 to S transition [RGD, Feb 2006]